

**A HARVARD ARCHITECTURE MICROPROCESSOR
HAVING A LINEAR ADDRESSABLE SPACE**

Abstract of the Disclosure

A microprocessor is connected to a first memory space through a first bus and to a second memory space through a second bus. The microprocessor includes a processing unit that includes a program bus and a data bus, and an interface unit connected, on one side, to the program bus and to the data bus and, on the other side, to the first and second buses. The interface includes a switching circuit for connecting the program bus and the data bus, respectively, to either the first bus or the second bus, in accordance with respective requests for accessing the program and data sent by the processing unit.